AASHTO Update

2019 Committee on Bridges & Structures Meeting
Patricia Bush, PE
Program Manager for Bridges & Design
Strategic Plan

**2005 Grand Challenges**

**Goal 1:** Extend Bridge Service Life

**Goal 2:** Assess Bridge Condition

**Goal 3:** Maintain and Enhance a Knowledgeable Workforce

**Goal 4:** Maintain and Enhance the AASHTO Specifications

**2013 Prioritized Objectives**

**Goal 5:** Accelerated Bridge Delivery and Construction

**Goal 6:** Optimize Structural Systems

**Goal 7:** Model and Manage Information Intelligently

**Goal 8:** Contribute to National Policy

**2018 Goals**
# Action Plan

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**Committee on Bridges & Structures**

**ACTION PLAN**

October 1, 2018 – September 30, 2019

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<table>
<thead>
<tr>
<th>GOAL 6</th>
<th>Optimize Structural Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRATEGY 6.1</td>
<td>Identify beneficial and achievable material properties and develop optimized structural systems with these properties</td>
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</table>

<table>
<thead>
<tr>
<th>Task #</th>
<th>Task Description</th>
<th>Assigned to:</th>
<th>Coordinating Committees/Councils</th>
<th>Due Date</th>
<th>Comments</th>
<th>Associated AASHTO Goal #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Develop design, construction, and material provisions for disc bearings</td>
<td>T-2</td>
<td></td>
<td>Dec-19</td>
<td></td>
<td>3.2</td>
</tr>
<tr>
<td>1.1</td>
<td>Review current design, construction, and material specifications</td>
<td></td>
<td></td>
<td>Dec-18</td>
<td></td>
<td></td>
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<tr>
<td>1.2</td>
<td>Draft ballot items for the Design and Construction specifications</td>
<td></td>
<td></td>
<td>Dec-19</td>
<td></td>
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<tr>
<td>1.3</td>
<td>Coordinate with T-4 during development</td>
<td></td>
<td></td>
<td>Dec-19</td>
<td></td>
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</tbody>
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LRFD TSP Budget

48 states contributing $715,000
15 contracts
67 members
18 meetings
Membership
Membership

T-1 Bridge Security & Hazards
T-2 Bearings & Expansion Devices
T-3 Seismic Design
T-4 Construction
T-5 Loads & Load Distribution
T-6 Fiber Reinforced Polymer Composites
T-7 Guardrail & Bridge Rail
T-8 Movable Bridges
T-9 Bridge Preservation
T-10 Concrete Design
T-11 Research

T-12 Structural Supports
T-13 Culverts
T-14 Structural Steel Design
T-15 Substructures & Retaining Walls
T-16 Timber Structures
T-17 Metals Fabrication
T-18 Bridge Management, Evaluation, & Rehabilitation
T-19 Software & Technology
T-20 Tunnels
FAST Act Reauthorization Survey

• 93 responses/600 comments+ on Project Delivery/Engineering issues
• 10 year rule
• Emergency and Heavy Duty Tow Vehicle weights
• Bridge program compliance review frequency
• Buy America
• Funding
• Proprietary Products
FAST Act Reauthorization
Core Policy Principles

1. Ensure timely reauthorization of a long-term federal surface transportation bill
2. Enact a long-term, sustainable revenue solution for the Highway Trust Fund
3. Increase and prioritize formula-based federal funding provided to states
4. Increase Flexibility, Reduce Program Burdens and Improve Project Delivery
5. Support and Ensure State DOTs’ Ability to Harness Innovation and Technology
FAST Act Reauthorization
Priority Tiers

Tier 1
Tier 2
Tier 3
Tier 4
FAST Act Reauthorization
Tier 1 Bridge Issues

• Performance Management Regulations Should Be Improved to Reduce the Burden on State DOTs, Including Data Collection
• Buy America
FAST Act Reauthorization Tier 2 Bridge Issues

• Minimum Condition Levels for National Highway System (NHS) Bridges and Pavements Could Encourage a Worst-First Asset Management Approach

• Roadside Hardware

• Emergency & Tow Vehicles

• Bridge Program Compliance Review

• Coordination with Railroads

• Drones/Unmanned Aircraft Systems (UAS)
FAST Act Reauthorization

House of Representatives Committee on Transportation & Infrastructure
Oregon, Missouri, District of Columbia, Illinois

Senate Committee on Environment & Public Works
Wyoming, Delaware, West Virginia, Maryland

AASHTO Reauthorization Information
https://policy.transportation.org/fast-act-reauthorization/
Questions?